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March 13, 2003

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Patty T. Wilson

Date of Signature: March 13, 2003

Commissioner for Patents  
Washington, D.C. 20231

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MAR 18 2003  
TECH CENTER 1600/2900

Re: U.S. Patent Application Serial No. 10/029,413 for  
PURIFIED AND ISOLATED PLATELET CALCIUM CHANNEL  
NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC  
AND SCREENING METHODS USING SAME  
Our Ref. No. 421/29/2

Sir:

Please find enclosed in connection with the subject U.S. patent application the following documents:

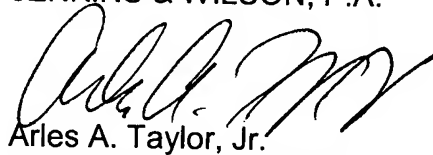
1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (in duplicate) (2 pages);
3. Copies of cited reference(s) (8 references); and
4. A return-receipt postcard to be returned to us with the U.S. Patent and Trademark Office filing stamp thereon.

Commissioner for Patents  
March 13, 2003  
Page 2

The Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account No. 50-0426.

Respectfully submitted,

JENKINS & WILSON, P.A.



Arles A. Taylor, Jr.

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AAT/ptw/gwc

Enclosures

Customer No. Bar Code Label:



25297

Patent Trademark Office



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Patty T. Wilson  
Date of Signature

3/13/2003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Malouf et al.

Examiner: Not Assigned

**Application No.: 10/029,413**

Group Art Unit: Not Assigned

Filed: December 20, 2001

Docket No.: 421/29/2

Confirmation No.: 3695

For: PURIFIED AND ISOLATED PLATELET AND CALCIUM CHANNEL  
NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND  
SCREENING METHODS USING SAME

\*\*\*\*\*

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the documents listed on the attached form PTO-1449. Copies of the references as well as Form PTO-1449 are attached hereto. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

Early passage of the subject application to issue is earnestly solicited.

Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any deficiencies of payment associated with the filing of this Information Disclosure Statement to Deposit Account No. 50-0426.

Respectfully submitted,

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Date: 3/13/2003

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Respectfully submitted,

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Enclosures

**FORM PTO-1449** U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No. 421/29/2

Serial No.  
10/029,413

List of Documents Cited by Applicant

Applicant(s): Malouf et al.

Filing Date: December 20,  
2001

Group 1646

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if Appropriate
	1.	5.429,921	7/4/1995	Harpold et al.	435	4	
	2.	5,686,241	11/11/1997	Ellis et al.	435	56	

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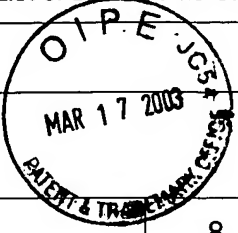
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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Name of Patentee or Applicant	Translation Yes   No

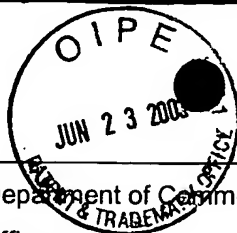
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

3.	Hogan, et al. <i>Human dihydroxypyridine-sensitive L-type calcium channel alpha-1 subunit (CACNL1A3) mRNA</i> , Database accession no. L33798 XP002224388 (Abstract) (December 16, 1994).
4.	Hogan et al., <i>The Structure of the Gene Encoding the Human Skeletal Muscle <math>\alpha_1</math> Subunit of the Dihydropyridine-Sensitive L-type Calcium Channel (CACNL1A3)</i> , <u>Genomics</u> 31:392-394 (1996).
5.	Hogan et al., <i>Cloning of the human skeletal muscle alpha-1 subunit of dihydroxypyridine-sensitive L-type calcium channel</i> , <u>Genomics</u> 24, No. 3:608-609 (December 1 1994).
6.	Chaudhari et al., <i>Mus musculus dihydropyridine sensitive skeletal muscle calcium channel mRNA</i> , Database accession no. L06234 XP002224389 (Abstract) (November 17, 1992).
7.	Chaudhari, <i>A Single Nucleotide Deletion in the Skeletal Muscle-specific Calcium Channel Transcript of Muscular Dysgenesis (mdg) Mice</i> , <u>J. of Biological Chemistry</u> 267, No. 36:25636-25639 (1992).

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 421/29/2	Serial No. 10/029,413
List of Documents Cited by Applicant			
		Applicant(s): Malouf et al.	
		Filing Date: December 20, 2001	Group 1646
	8.	Tang et al., <i>Molecular Localization Studies of the Dihydropyridine (DHP) Binding Site in the Cardiac L-type Voltage Dependent Ca<sup>2+</sup> Channel (L-VDCC) <math>\alpha_1</math> Subunit Reveal Motif IV S3 to IV S6 as Essential</i> , XP000604115 (Abstract) (1993).	

EXAMINER \_\_\_\_\_ DATE CONSIDERED \_\_\_\_\_

\*Examiner Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 421/29/2	Serial No. 107029.413
List of Documents Cited by Applicant		
	Applicant(s): Malouf et al.	
	Filing Date: December 20, 2001	Group 1646

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JUN 25 2003  
TECH CENTER 1600/12900

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if Appropriate

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Name of Patentee or Applicant	Translation Yes   No
✓	A1.	WO 95 04822 A	02/16/1995	US	Salk Institute Biotech Ind Assoc Ltd	Yes

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	1.	Ihara, Yu et al., <i>Rat rCACN4A mRNA for L-type Voltage Dependent Calcium Channel Alpha 1 Subunit</i> , Database accession no. D38101 XP002238191 (Abstract) (March 29, 1995).
✓	2.	Ihara, Yu et al., <i>Voltage-dependent L-type Voltage Calcium Channel Alpha 1D Subunit (Rat)</i> , Database accession no. P27732 XP002238193 (Abstract) (October 1, 1996).
✓	3.	Seino, S. et al., <i>Human neuroendocrine/beta-cell-type calcium channel alpha-1 subunit mRNA</i> , Database accession no. M83566 XP002238192 (Abstract) (February 3, 1992).

EXAMINER \_\_\_\_\_

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